

A-17
10/22/84
50-400-OL



Applicants' Exhibit 17
Eddleman Contention 65
Docket No. 50-400

**Four Package
Placement LCBXW386001**

NUCLEAR REGULATORY COMMISSION

Docket No. 50-400 Official Exh. No. 17
In the matter of Sharon Harris

Staff _____ IDENTIFIED ☒
Applicant ☒ RECEIVED ☒
Intervenor _____ REJECTED _____
Cont'g Off'r _____
Contractor _____ DATE 10-22-84
Other _____ Witness _____
Reporter Jon

8412170329 841022
PDR ADOCK 05000400
G PDR

REV. 8
12/81
CONCRETE
PLACEMENT
REPORT

000569 SHNPP

Sh. 10f9 WP-05
FILE

PLACEMENT NUMBER 1CBXW386001

LOCATION (INCLUDE ELEV. IF IN BLDG.)
CONT. #1 ELEV 3X TO 396
SCHEDULED DATE: 3/12/82

TYPE PLACEMENT ESTIMATED QUANTITY TEMP LIMIT SLUMP LIMIT SEISMIC CLASS I YES NO
EXT. WALL 355 C.Y. 90°F 4" ☒

PROPOSED PLACEMENT METHODS (CHECK APPLICABLE SPACES) CURING

TRANSPORTING	PLACING	VIBRATION	FINISHING	FORMED SURF.	UNFORMED SURF.
BUGGY <input type="checkbox"/>	CHUTE <input type="checkbox"/>	INTERNAL <input type="checkbox"/>	<input checked="" type="checkbox"/> STEEL TROWEL	FORMS ALONE <input type="checkbox"/>	<input checked="" type="checkbox"/> WET BURLAP
BUCKET <input type="checkbox"/>	TREMIE <input type="checkbox"/>	<input checked="" type="checkbox"/> FORM	<input type="checkbox"/> WOOD FLOAT	TARPS <input type="checkbox"/>	<input type="checkbox"/> POLYETHYLENE
CONVEYOR <input type="checkbox"/>	DROP <input type="checkbox"/>		<input type="checkbox"/> HAIR BRUSH	INSULATION <input type="checkbox"/>	<input type="checkbox"/> CURING COMPOUND
PUMP <input checked="" type="checkbox"/>			BROOM FINISH <input type="checkbox"/>	FORMS & WATER <input type="checkbox"/>	KUREZ <input type="checkbox"/>
TRUCK <input type="checkbox"/>			RUBBER FLOAT <input type="checkbox"/>		NUTEC 10 <input type="checkbox"/>
			EXP. AGG <input checked="" type="checkbox"/>		QUAD CURE <input type="checkbox"/>
					GALLONS REQUIRED

ANTICIPATED WEATHER CONDITIONS: COLD
PROTECTION: EXTENSION
CURE (DAYS): 7 days

PRIMARY MASONRY DWG. NO. RATE OF RISE
CM-2167-6-0630 R-7 *SEE BELOW
COMMENT & CLARIFICATION TO PROPOSED METHODS
From EL 3X TO 396 + A2 94'-07"-22" TO A2 124'-07"-22" AND A2 274'-07"-22"

DES. STRENGTH 40KSI
DESIGN MIX CODE M-1
NAME/TITLE PERSON SUBMITTING ALL THE ABOVE
DATE: 3/11/82

PRE-PLACEMENT CHECKOUT		CONSTRUCTOR			CONST. INSPECTION		QUALITY ASSURANCE		
		REF. PROC.	CRAFT SUPT.	FIELD ENG.	DATE	INSPECTOR	H	Q.C. SIGNOFF	DATE
1	CONTACT SURFACES	WP-05	J.P. Hyatt	R. Brecklow	3-11	R. Brecklow	NA		3/11/82
2	FORMS	WP-22	J.P. Hyatt	R. Brecklow	3-11	R. Brecklow	NA		3/11/82
3	REINFORCING STEEL	WP-11	J.P. Hyatt	R. Brecklow	3-11	R. Brecklow	NA		3/11/82
4	EMBEDS		J.P. Hyatt	R. Brecklow	3-11	R. Brecklow	NA		3/11/82
5	MECHANICAL	WP-102	J.P. Hyatt	R. Brecklow	3/11	R. Brecklow	NA		3/11/82
	PIPE	WP-104	J.P. Hyatt	R. Brecklow	3/11	R. Brecklow	NA		3/11/82
6	ELECTRICAL	WP-201	J.P. Hyatt	R. Brecklow	3/11	R. Brecklow	NA		3/11/82
7	CADWELDS	WP-1	J.P. Hyatt	R. Brecklow	3-11	R. Brecklow	NA		3-11-82
8	BOP WELDING		J.P. Hyatt	R. Brecklow	3-11	R. Brecklow	NA		3-11-82
9	CODE/SEISMIC WELDING		J.P. Hyatt	R. Brecklow		R. Brecklow	NA		3-11-82
10	CLEAN-UP	WP-05	J.P. Hyatt	R. Brecklow	3-11	R. Brecklow	NA		3/11/82
11									
12									

CONSTRUCTOR SIGNOFF (AREA SUPT) TIME: 2:15 C.I. SIGNOFF
DATE: 3-11-82 Russell L. Brecklow TIME: 3:30 PM
DATE: 3-11-82

DESIGN APPROVAL DATE: 3-11-82 TIME OF START 09:15 AM DATE PLACED 03-12-82

YDS. CONCRETE DELIVERED	YDS. PLACED IN THIS PLACEMENT	YARDS WASTED	CONCRETE	GROUT
1344	349			0
				0
YARDS GROUT DELIVERED	CONCRETE	YARDS PLACED ELSEWHERE	CONCRETE	GROUT
015	344			0
	5			0

ACCEPTANCE OF PLACEMENT METHODS & COMPLETENESS OF ABOVE INFORMATION
NAME: Russell L. Brecklow TITLE: C.I. DATE: 3-12-82

REMARKS (ATTACH RELEVANT REPORTS)
* USE M-12 PUMP GROUT * PENDING APPROVAL OF FOR-C-3038-APP. 2/23/82
* RATE 9" RISE 2" DIA TO EL 392 THEN 1" DIA 2" DIA 1" DIA
* Recheck prior to placement OK DAD 3/11/82

1-CB-1CBXW386001

CAROLINA POWER & LIGHT COMPANY
SHEARON HARRIS NUCLEAR POWER PLANT

PLACEMENT CHECKLIST

PLACEMENT NO. 1CBXW386001

LOCATION Cont. #1 Ext. Wall

Az 90° to 180°; 270° to 360° pl. 376'7 to 385'9

CHECKLIST	REMARKS	INITIALS
Free Fall Height	Sat.	
Rate of Placement	* Sat.	
Hot Weather Conditions	N/A	
Cold Weather Conditions	Sat.	
Layer Thickness	Sat.	
Use of Placing Equipment	Sat.	
Consolidation	Sat.	
Embedded Items	Sat.	
Forms	Sat.	
Cleanup Maintained	** Sat.	
Mixing To Placing Intervals	Sat.	
Shifted/Removed Rebar Replaced	N/A	
COMMENTS * Rate of rise dependent upon temperature, checked @ placement with		
CDL-4918B. 2'/hr for first 6'; 1'/hr. for last 3'		
** Some water came into placement from vertical bulkheads still in		
cure. It was removed by vacuuming.		
A smooth and satisfactory placement.		

CONSTRUCTION INSPECTOR Russell P. Brecklow DATE 3-16-82

CONSTRUCTION INSPECTION SUPERVISOR Harold L. Taylor DATE 3-16-82

Rev. 1
9/80

FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL REINFORCING STEEL

Exhibit 7
TP-22

Sh. 4 of 9

PLACEMENT NO./LOCATION 1 CBXW 386001

DRAWING NUMBER

BAR BENDING SCHEDULE NO. CAR-2167-G-0640(R5); -0660(R5); -0661(R4)

INSPECTOR Russell S. Brumlow

DATE 3-3-82

FIELD ENGINEER Mike Blum

DATE 3/4/82

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROWS 5,6	ADD. PENETRATING STEEL VERT./HOR./DIAG.	SHEAR BARS	OTHER
246/246	0	0	0	0	0	0
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
CJ-261	OF 246 62	62	Row 1 I.F. 90° to 180°	Incorrect Projections \$	D. Bryn PW-C-2483	D. Bryn
CJ-262	OF 246 61	61	↓	P.B. 3-11-82 Incorrect Spacing	↓	↓
CJ-261	OF 246 61	61	Row 1 I.F. 270° to 360°	Incorrect Projections \$	D. Bryn PW-C-2483	D. Bryn
CJ-262	OF 246 62	62	↓	↓	↓	↓
CJ-266	OF 224 57	57	1st Layer O.F. 90° to 180°	Incorrect Projections \$	D. Bryn PW-C-2483	D. Bryn
CJ-296	OF 22 7	7	↓	Incorrect Spacing	D. Bryn PW-C-2843	↓
CJ-267	OF 224 56	56	↓	↓	↓	↓
CJ-295	OF 22 3	3	↓	↓	↓	↓
CJ-266	OF 224 56	56	1st Layer O.F. 270° to 360°	Incorrect Projections \$	D. Bryn PW-C-2483	D. Bryn
CJ-296	OF 22 8	8	↓	Incorrect Spacing	D. Bryn FCL-C-2843	↓
CJ-267	OF 224 56	56	↓	↓	↓	↓
CJ-295	OF 22 3	3	↓	↓	↓	↓

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FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL REINFORCING STEEL

Exhibit 7
TP-22

Sh. 5 of 9

PLACEMENT NO./LOCATION 1CBXW38/001

DRAWING NUMBER
BAR BENDING SCHEDULE NO. CAR-2167-G-0640(R3); -0660(R4); -0661(R4)

INSPECTOR Russell J. Brecklowe

DATE 3-3-82

FIELD ENGINEER [Signature]

DATE 3/4/82

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROWS 5,6	ADD. PENETRATING STEEL VERT./HOR./DIAG.	SHEAR BARS	OTHER
123	36	18 124	0	0	6	0
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
CJ-271	OF 123 30	30	2 nd Layer O.F. 90° to 180°	None	None	N/A
CJ-297	OF 123 31	31	↓	↓	↓	↓
CJ-271	OF 123 31	31	2 nd Layer O.F. 270° to 360°	None	None	N/A
CJ-297	OF 123 31	31	↓	↓	↓	↓
CJ-1	OF 7 sets 6 sets	6 sets	1 st Layer I.F. Horiz 90° to 180°; 270° to 360°	1 set embedded in previous placement	<u>[Signature]</u> FCR-C-2902	D. Bryan
CJ-2	OF 12 sets 12	12 sets	↓	↓	↓	↓
CJ-7	OF 6 sets RB 3-11-82					
CJ-127	OF 19 sets 18 sets	18 (sets)	O.F. Horizontals 90° to 180°; 270° to 360°	1 set embedded in previous placement	<u>[Signature]</u> FCR-C-2902	D. Bryan
CD-6	OF 19 sets 18 sets	18 sets	Parapet Horizontals 90° to 180°; 270° to 360°	1 set embedded in previous placement	<u>[Signature]</u> FCR-C-2902	D. Bryan
CD-2	OF 124 124	124	Parapet Verticals 90° to 180°	None	None	N/A

FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL REINFORCING STEEL

Sh. 6 of 9

PLACEMENT NO./LOCATION 1CBXW386001

DRAWING NUMBER
BAR BENDING SCHEDULE NO. CAR-2167-G-0640(R3); - 0660(R4); - 0661(R4)

INSPECTOR Russell L. Breedlove

DATE 3-3-82

FIELD ENGINEER [Signature]

DATE 3/4/82 ~~3/3/82~~

DESIGN QUANTITIES PER SHEET

VERTICALS ROW 1,2,7,8	HORIZONTALS ROW 3,4,9,10	ADD. PER DWG. HOR./VERT.	DIAGONALS ROWS 5,6	ADD. PENETRATING STEEL VERT./HOR./DIAG.	SHEAR BARS	OTHER
0	0	2 218 123	0	0	4428	0
INSPECTED ITEM (BAR MARKS)	DESIGN QUANTITY	ACTUAL QUANTITY	DESCRIPTION	DISCREPANCIES	CORRECTIVE ACTION	INDIVIDUAL NOTIFIED
CD-2	OF 492 122	123	Parapet Verticals 270° to 360°	1 extra bar	OK <u>[Signature]</u> None	D. Bryan
CD-4	4x 1 set	4x1 set	Slab Horiz. O.F. 90° to 180°; 270° to 360°	None	None	N/A
CD-5	4x 1 set	4x1 set	Slab Horiz. I.F. 90° to 180°; 270° to 360°	None	None	N/A
CJ-290	OF 6492 1476	1476	Shear Bars	Bars lap spliced at Const. Joints	<u>[Signature]</u> FCR-C-2937	D. Bryan
CJ-291	OF 128442 2952	2952	Shear Bars	Bars lap spliced at Const. Joints	<u>[Signature]</u> FCR-C-2937	D. Bryan
CD-1	OF 435 218	239	Curb Dwl's	21 extra bars	OK <u>[Signature]</u> None	D. Bryan

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9/80

Exhibit 7
TP-22

FIELD INSPECTION REPORT FOR CONTAINMENT EXTERIOR WALL REINFORCING STEEL

Sh. 7 of 9

PLACEMENT NO./LOCATION 1 CBXW386001

DRAWING NUMBER

DRAWING NUMBER
BAR BENDING SCHEDULE NO. CAR-2167-G-0638(R5) ; -0639(R5)

Bethlehem Prints 8099-52(R2)

INSPECTOR Russell L. Breedlove

DATE 3-8-82

FIELD ENGINEER *Mike Blawie*

DATE 3/4/82

DESIGN QUANTITIES PER SHEET.

[illegible]

FIELD INSPECTION REPORT FOR
CONTAINMENT EXTERIOR WALL
REINFORCING STEEL

Sh. 8099

PLACEMENT NO./LOCATION 1CBXW386001

DRAWING NUMBER

PLACEMENT NO./LOCATION 1CBXW386001
DRAWING NUMBER
BAR BENDING SCHEDULE NO. CAR-2167-G-0638(R5);-0639(R5)

Bethlehem Prints 8099-55(R3); -56(R2); -57(R2)

INSPECTOR

DATE 3-8-82

FIELD ENGINEER

DATE 3/4/82

DESIGN QUANTITIES PER SHEET

[illegible]

CAROLINA POWER & LIGHT COMPANY SHNPP

FIELD INSPECTION REPORT FOR EMBEDDED PLATES, PENETRATION, AND ANCHOR BOLTS

PLACEMENT NO. 1 CBXW386001PAGE 9 OF 9DRAWING & REV. CAR-2168-G-225(R5); -D&D1(R8)

ITEM INSPECTED	LOCATION	DESCRIPTION TYPE - (10R LL, AB-4, PENETRATION) SIZE, DESIGN QTY., ETC.	DISCREPANCIES RELATED TO TYPE, SIZE, LOCATION, INSTALLATION, DESIGN QTY. VS ACTUAL QUANTITY, DIMENSIONS, ETC.	CORRECTIVE ACTION DR, PW, FCR, DCN ETC.	INSPECTOR
					INDIVIDUAL NOTIFIED
					DATE
EMBED PLATES					
PENE- TRATION	± Az. 135°	4 φ	None	None	R. Bredlow
	± Az. 308°45'	Storm Drains R = 68'0			N/A
					3-11-82
ANCHOR BOLTS	1) ± el. 379'0 3/8 ± Az. ± 11" from 1 1/2 E of Az. H70	1) 2-3/4 Conc. Inserts Richmond Type EC-2W	None	None	R. Bredlow
	2) ± el. 385'8 3/8 ± Az. ± 11" from 1 1/2 E of P Az. H77	2) 2-3/4 Conc. Inserts Richmond Type EC-2W			N/A
					3-11-82
OTHER	Temperature Gauges installed as per CH-22			D. Bryan	R. Bredlow
					D. Bryan
					3-11-82

Rev. 5
1/82

SHAW-WON HARRIS NUCLEAR POWER PLANT
POST PLACEMENT CHECKLIST

TP-15

PLACEMENT NO. 1CBXW386001

LOCATION Cont. #1 Ext. Wall

PLACED 3-12-82

SURFACE AREA N/A

END OF CURE 3-19-82

CURE COMPOUND (AMOUNT) N/A

CURE/PROTECTION REQUIREMENTS Severe exposure / Extended protection / 7 days moisture

CHECKLIST	REMARKS	INITIALS
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FINISH *

A. Steel Trowel	N/A	RLB
B. Wood Float	N/A	RLB
C. Broom	N/A	RLB
D. Hair Brush	N/A	RLB
E. Rubber Float	N/A	RLB
F. Keyways Installed	N/A	RLB

FORMS

Form & Shoring Removal	/	Forms not removed 3-26-82	RLB
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REPAIRS

Concrete Repairs Required	/	Forms not removed 3-26-82	RLB
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EMBED PLATES W/SCREW-IN-STUDS

Thread Engagement	N/A	RLB
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SEISMIC GAP

Proper Gap Maintained	N/A	RLB
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<u>CURING/PROTECTION</u>		<u>EXTENSIONS</u>	<u>REMARKS</u>		
A.	Water	/	N/A	Sat	RLB
B.	Curing Compound		N/A	N/A	RLB
C.	Ponding		N/A	N/A	RLB
D.	Burlap		N/A	N/A	RLB
E.	Wet Sand		N/A	N/A	RLB
F.	Polyethylene		N/A	N/A	RLB
G.	Temperature	/	N/A	Sat.	RLB

COMMENTS: * Roughened surface and/or exposed aggregate

CONSTRUCTION INSPECTOR Russell J. Breedlove DATE 3-26-82

CONSTRUCTION INSPECTION SUPERVISOR W. B. Taylor Jr. DATE 3-26-82

PLACEMENT NO. 1-BXW 386001 DATE 3-12-82

MODE OF PLACEMENT Pump Discharge

LOCATION Contingement # 1

WEATHER: (☒) CLEAR () OVERCAST () RAIN () OTHER _____
() HAZY () FOG () P. CLOUDY

[illegible]

1n. DESIGN MIX # USED M-81

Z DESIGN STRENGTH ⁴ 5000 PSI
FOR PLACEMENT 7-12-81

FIELD QA/QC INSPECTOR Richard Sturtevant DATE 3-12-82
LAB QA/QC INSPECTOR Donald Prince DATE 4-9-82
QA/QC SPECIALIST Ellen Kelly DATE 4-13-82